

Typical Dissipation Factor Curves for Polar and Non-polar Insulating Materials

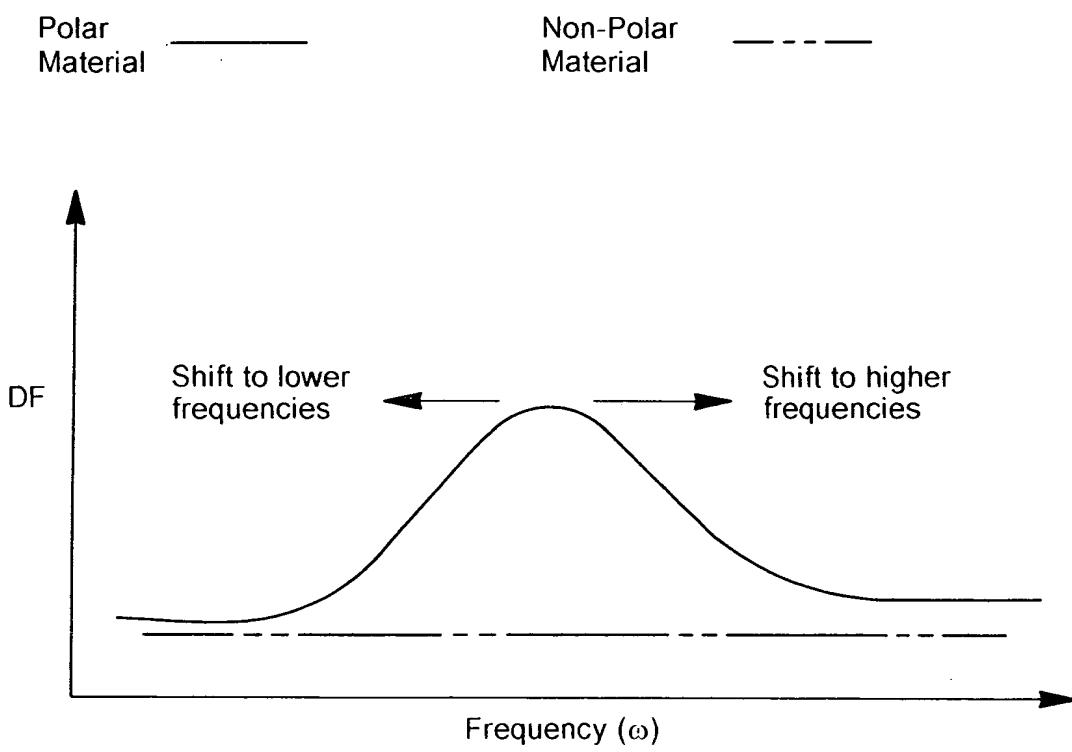


FIG. 1

Schematic Block Diagram

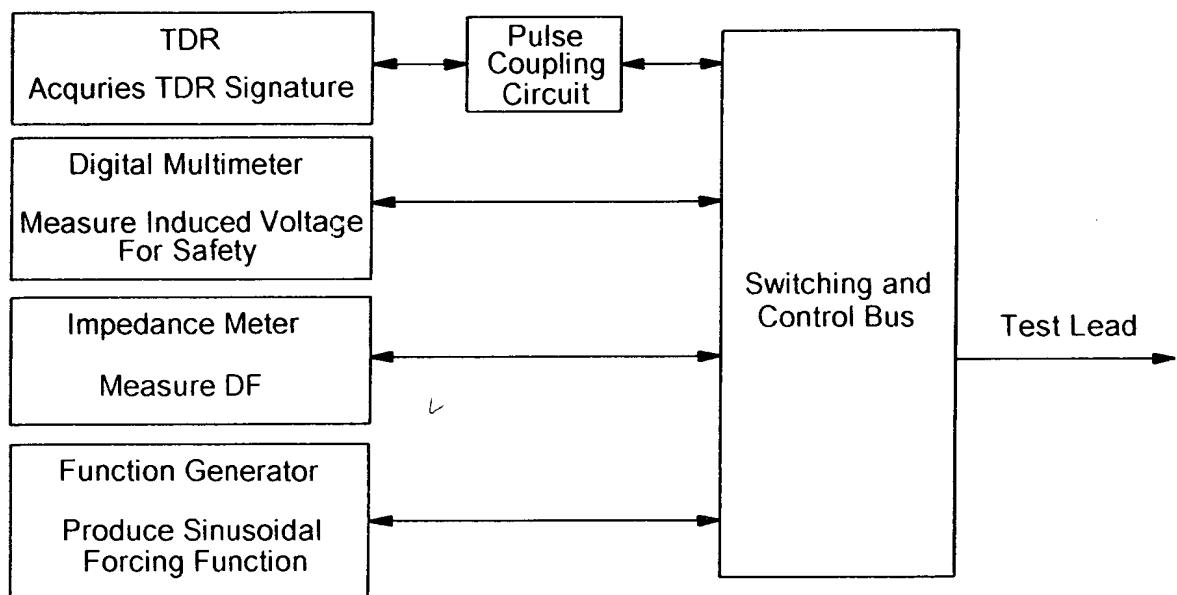


FIG. 2

Example TDR Signatures: Voltage versus distance along a wire under test

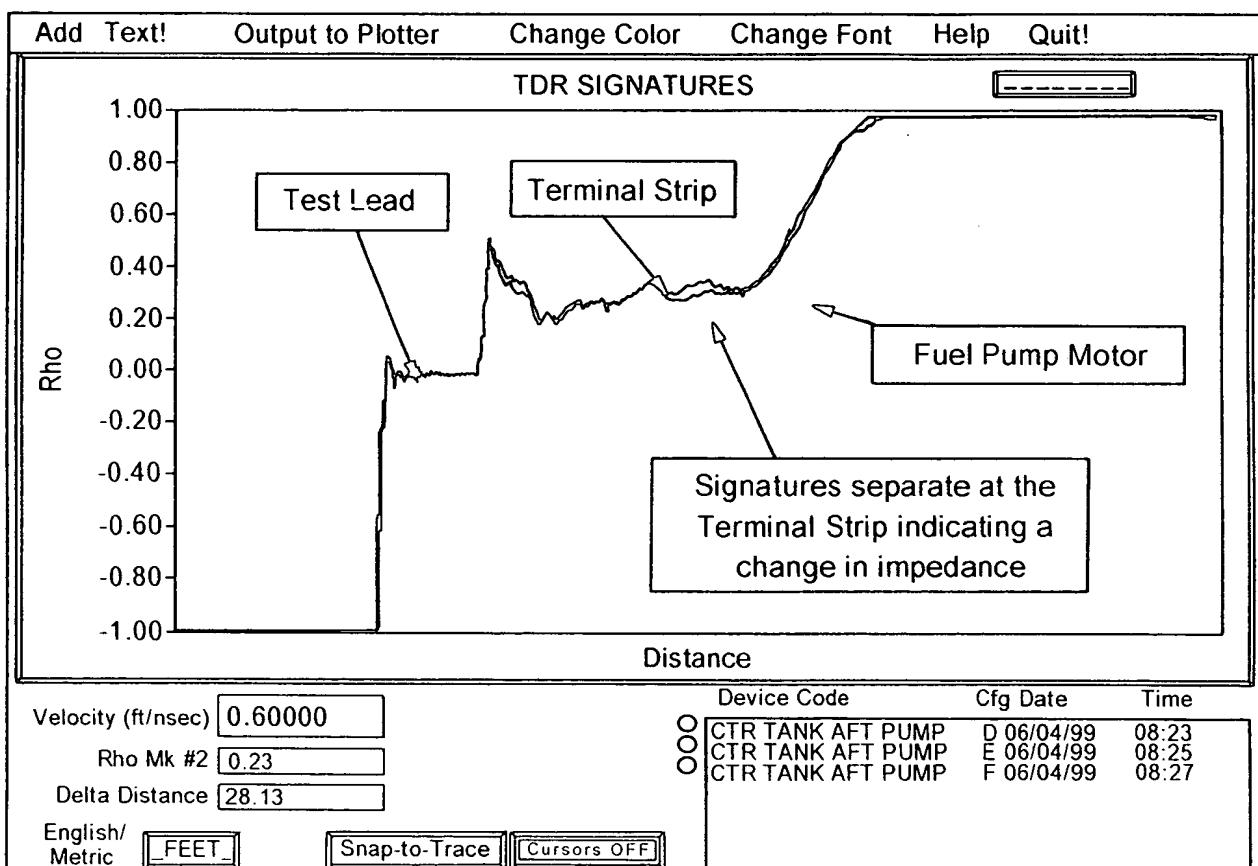


FIG. 3

4 TDR Signatures
 (1 Excited Wire and 3 Unexcited Wires) Showing "Fantail" Pattern

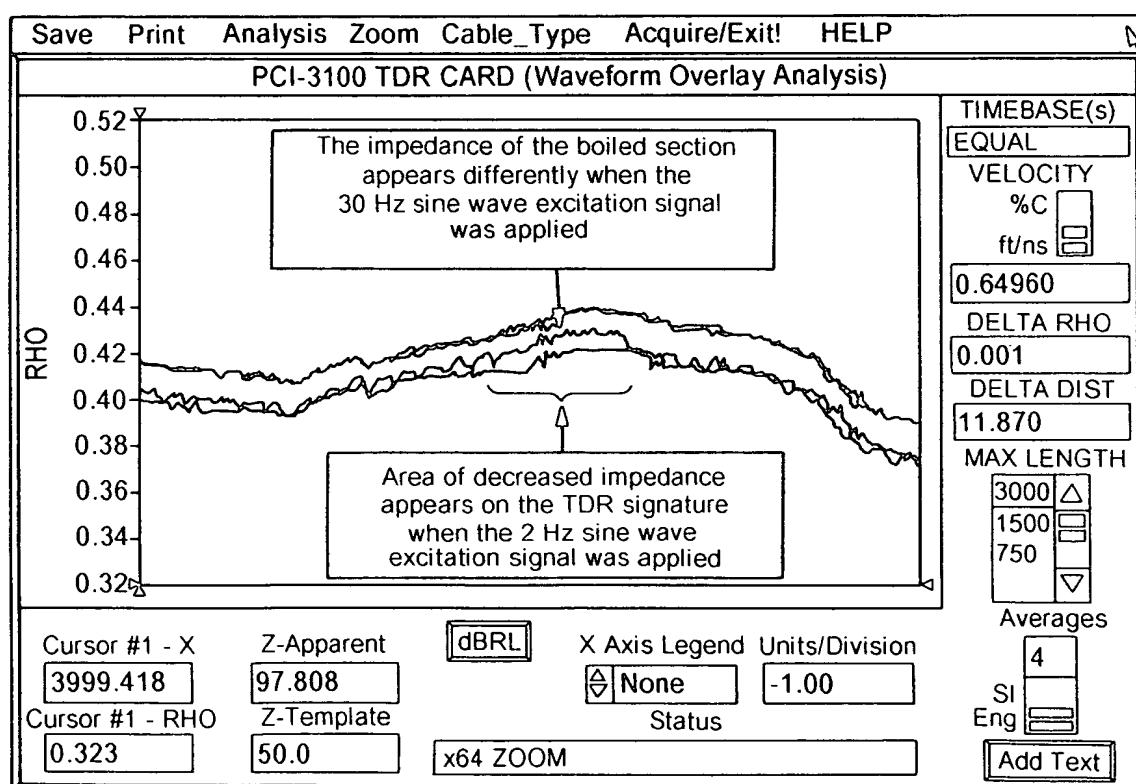


FIG. 4A

4 TDR Signatures
(1 Excited Wire and 3 Unexcited Wires) Showing "Fantail" Pattern

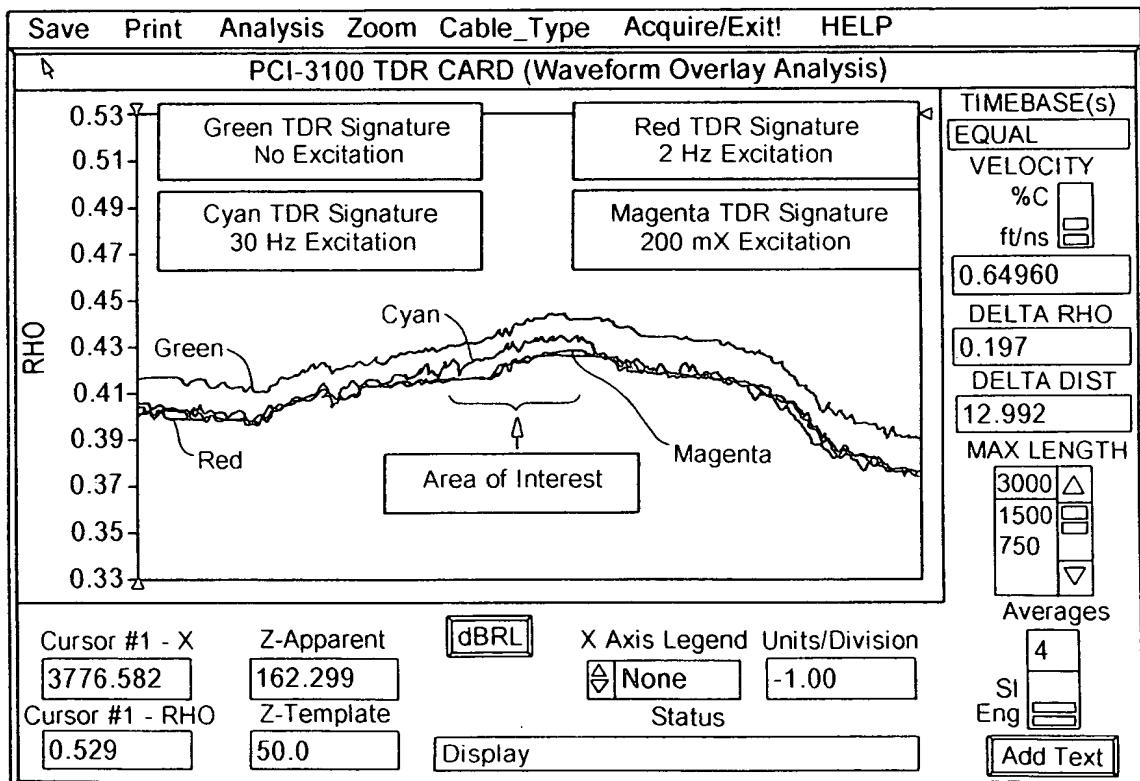


FIG. 4B

4 TDR Signatures
 (1 Excited Wire and 3 Unexcited Wires) Showing "Fantail" Pattern

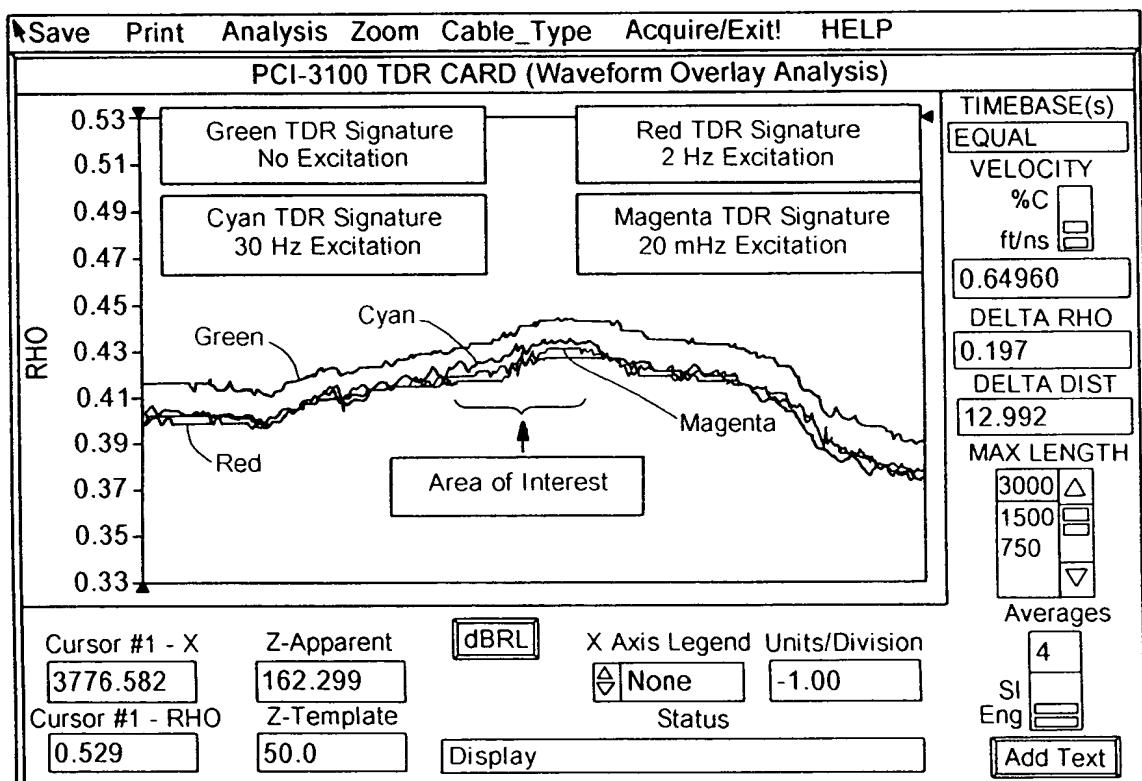


FIG. 4C

2 TDR Signatures
 (1 Excited Wire, 1 Unexcited Wire) Detecting a Defect

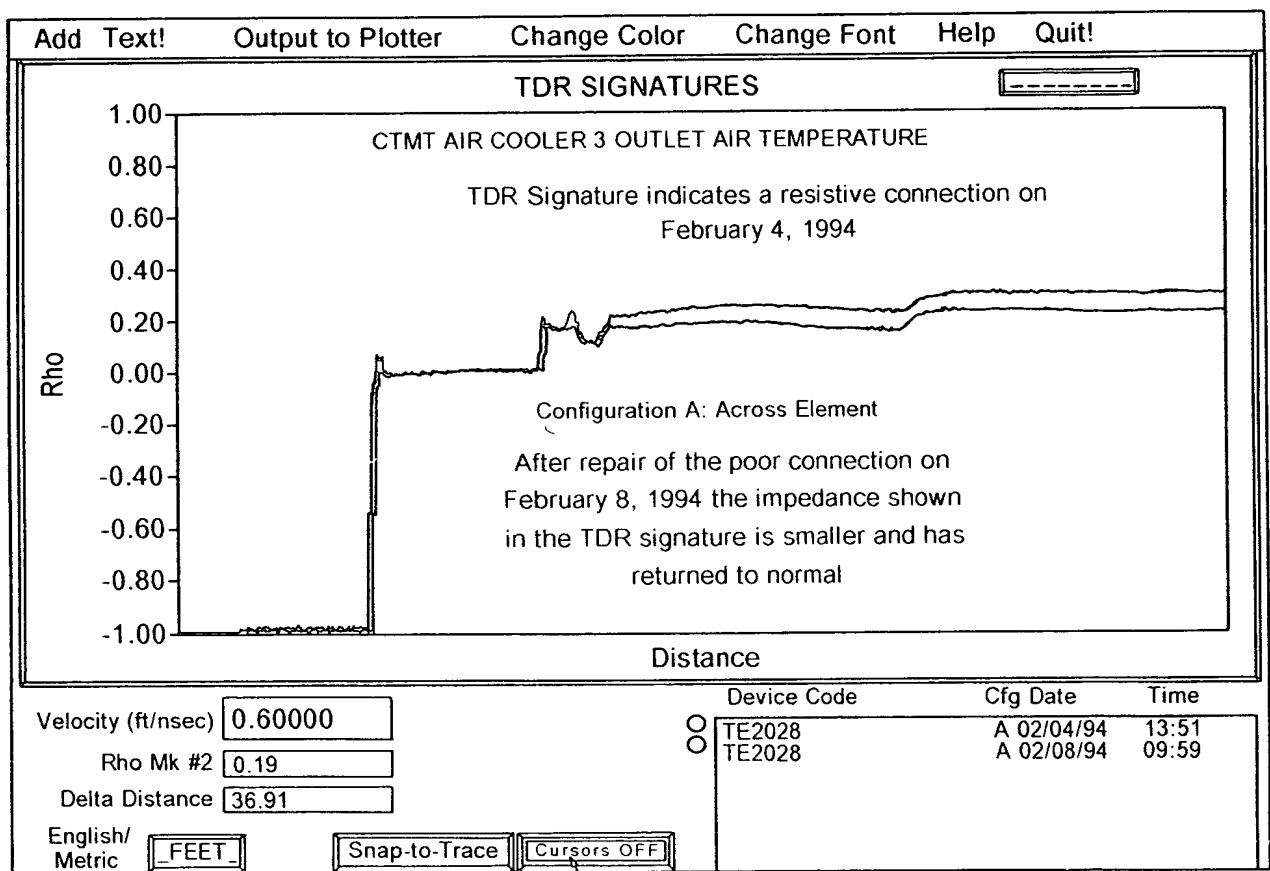


FIG. 5

TDR Signature from an Open Circuited Wire.

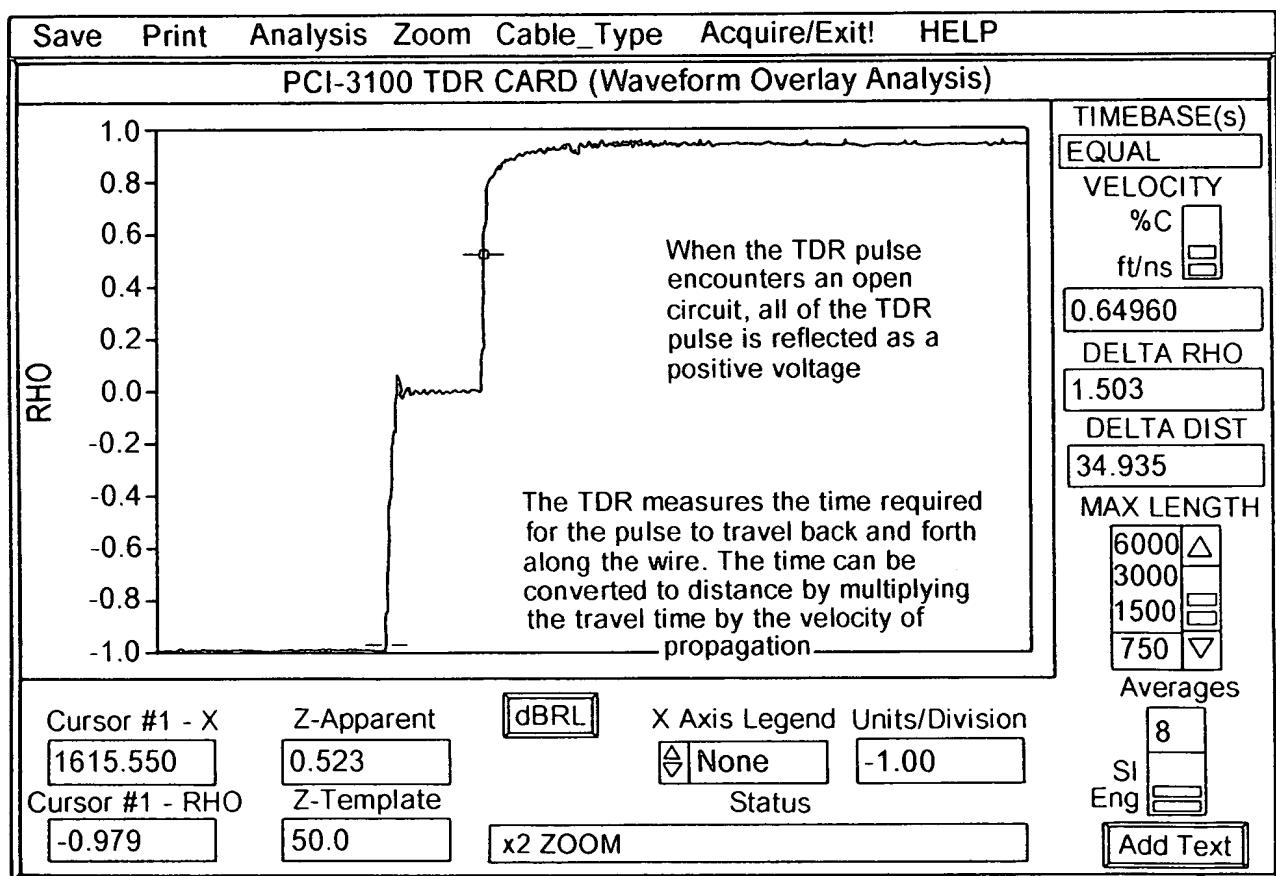


FIG. 6

TDR Signature from a Short Circuited Wire.

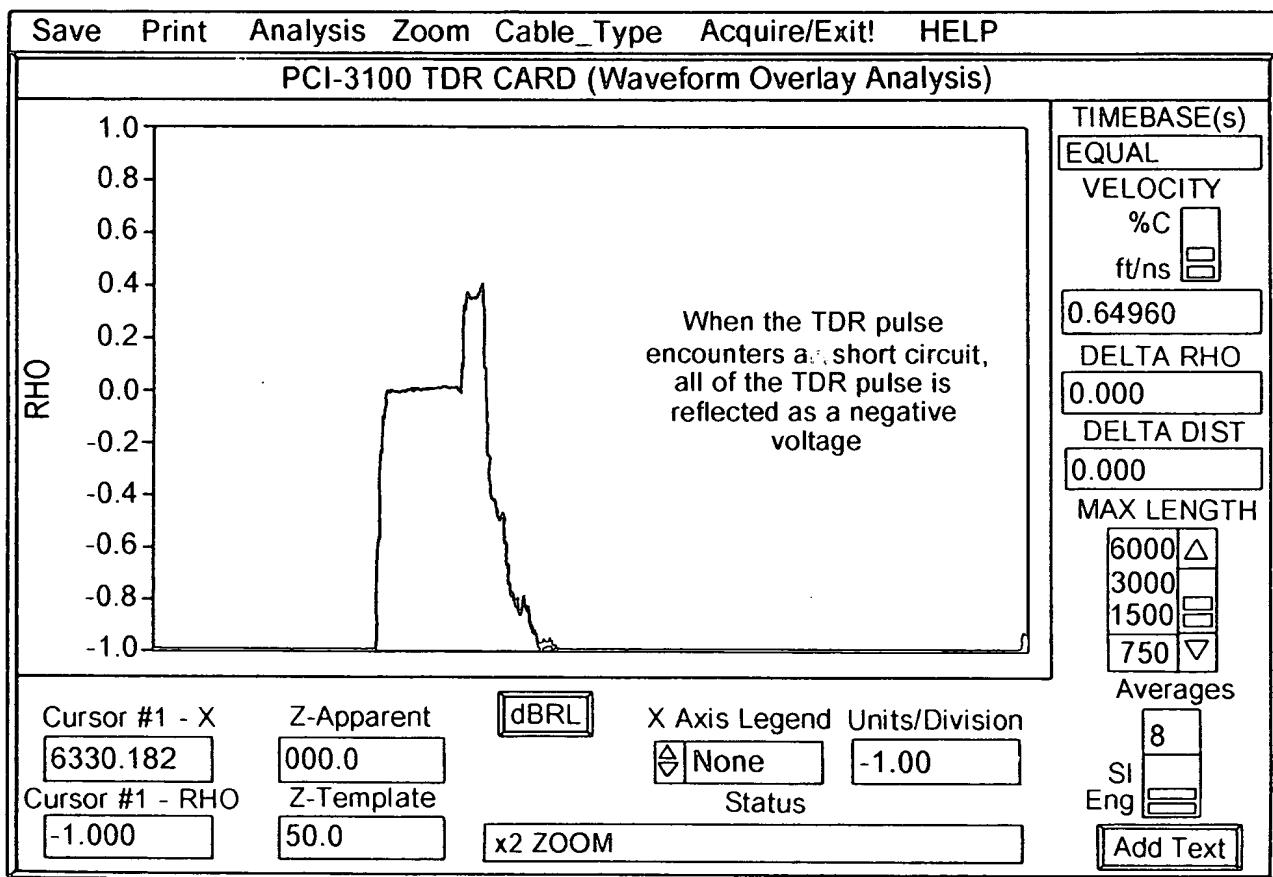


FIG. 7

2 TDR Signatures
(1 Excited Wire, 1 Unexcited Wire) Detecting a Fault in a Device

PORTIONS OF TDR SIGNATURES
REPRESENTING THE DEVICE

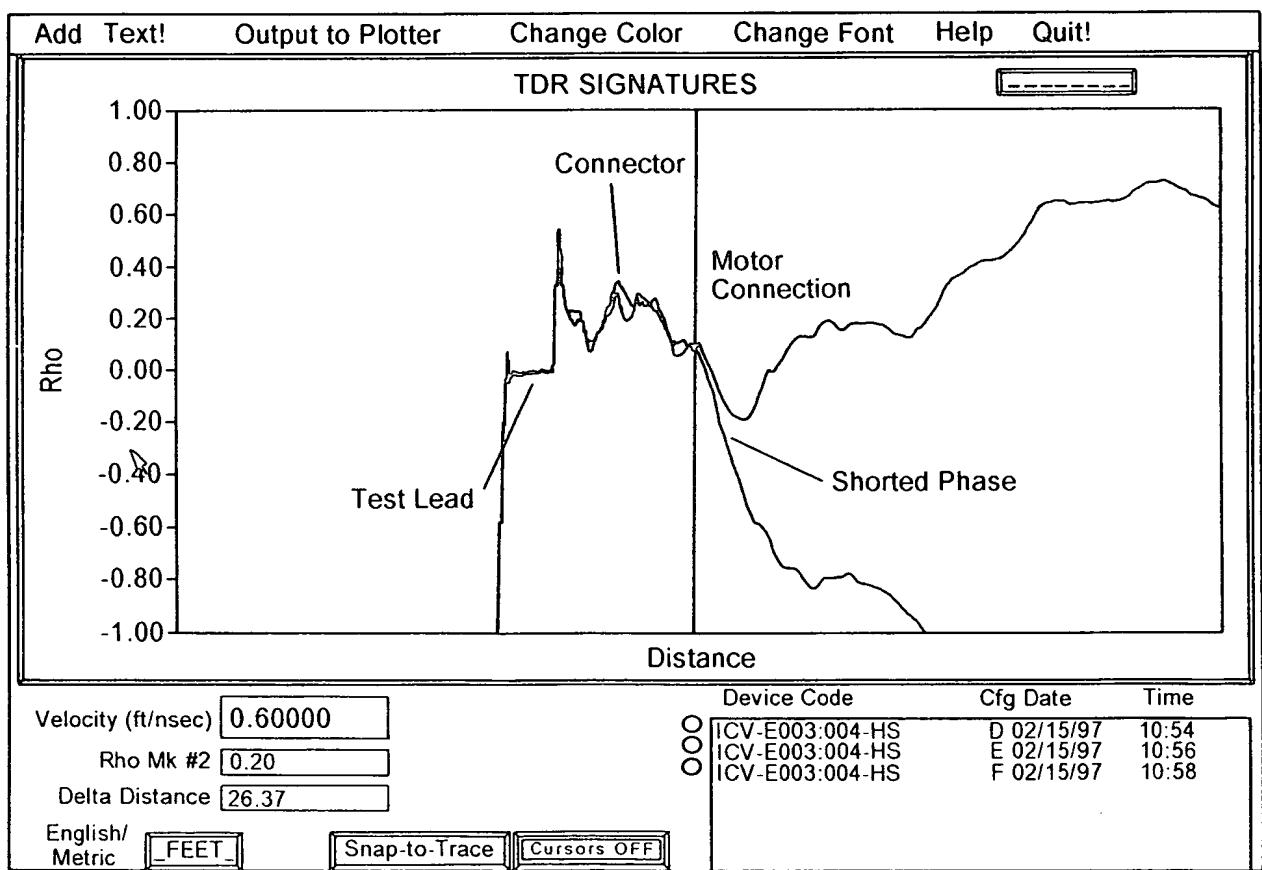


FIG. 8

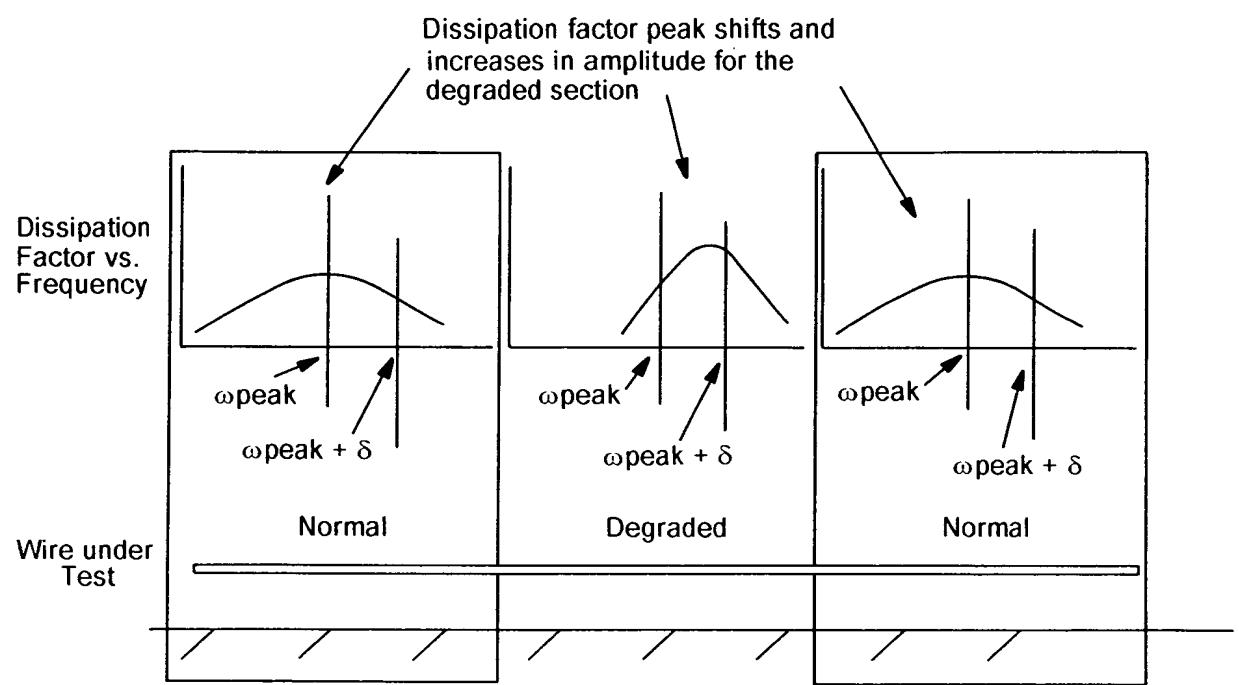


FIG. 9A

FIG. 9B

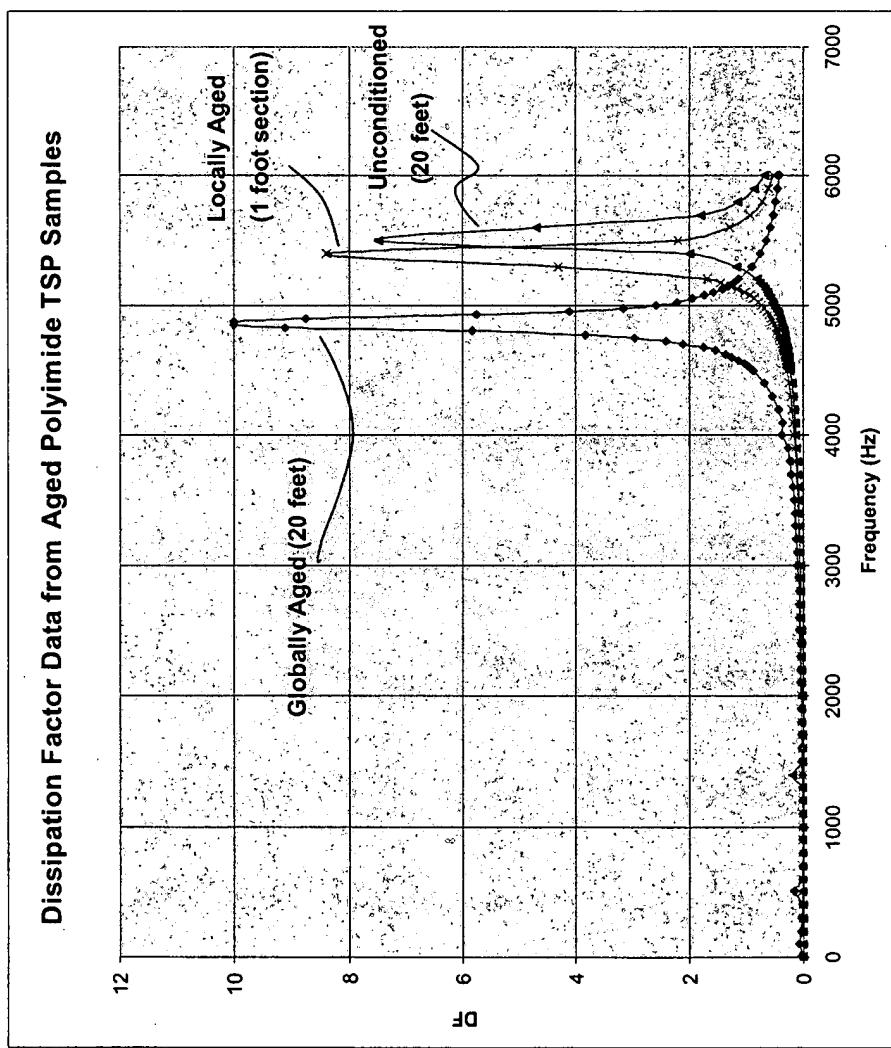
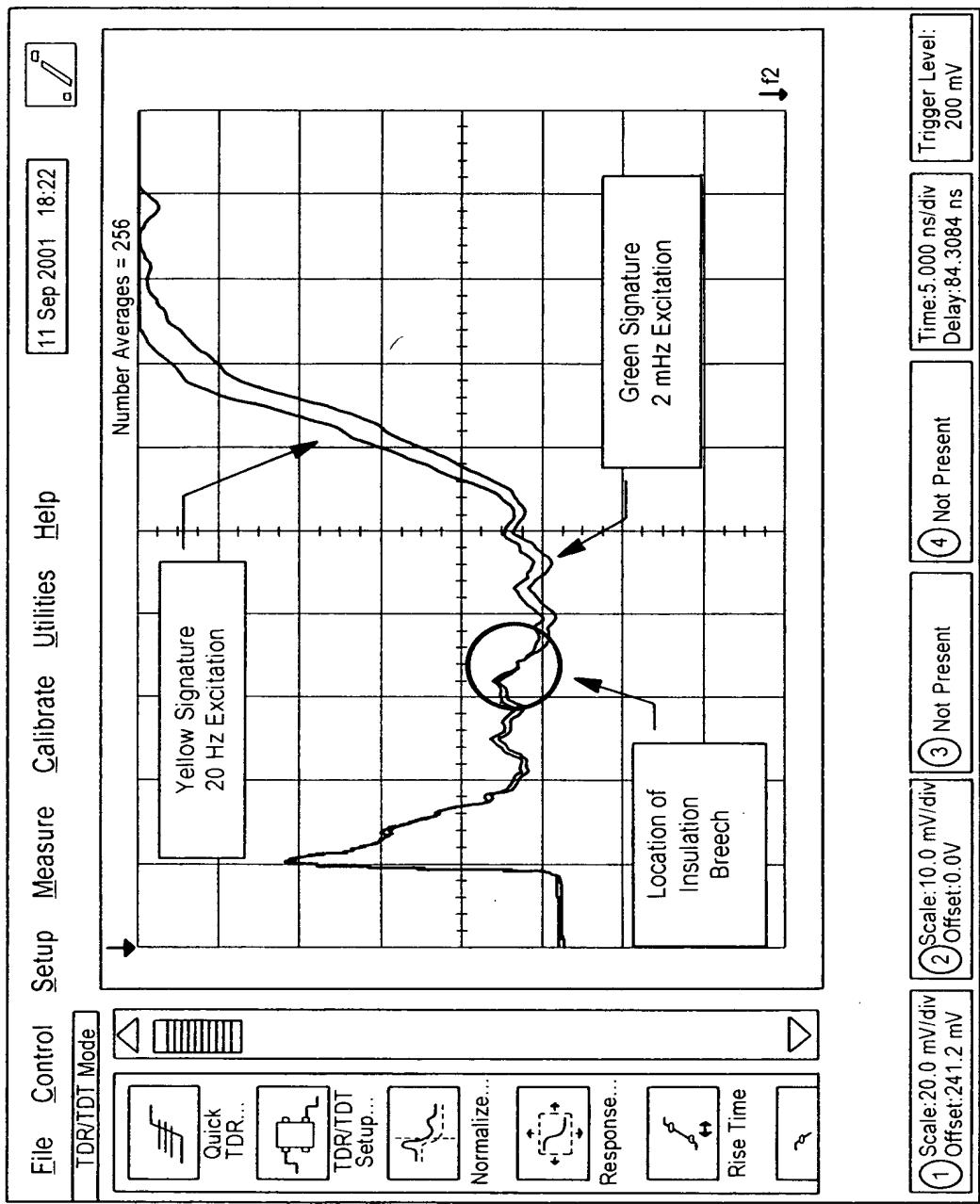


FIG. 10



RG-302 Cable Sample with Bias Tee

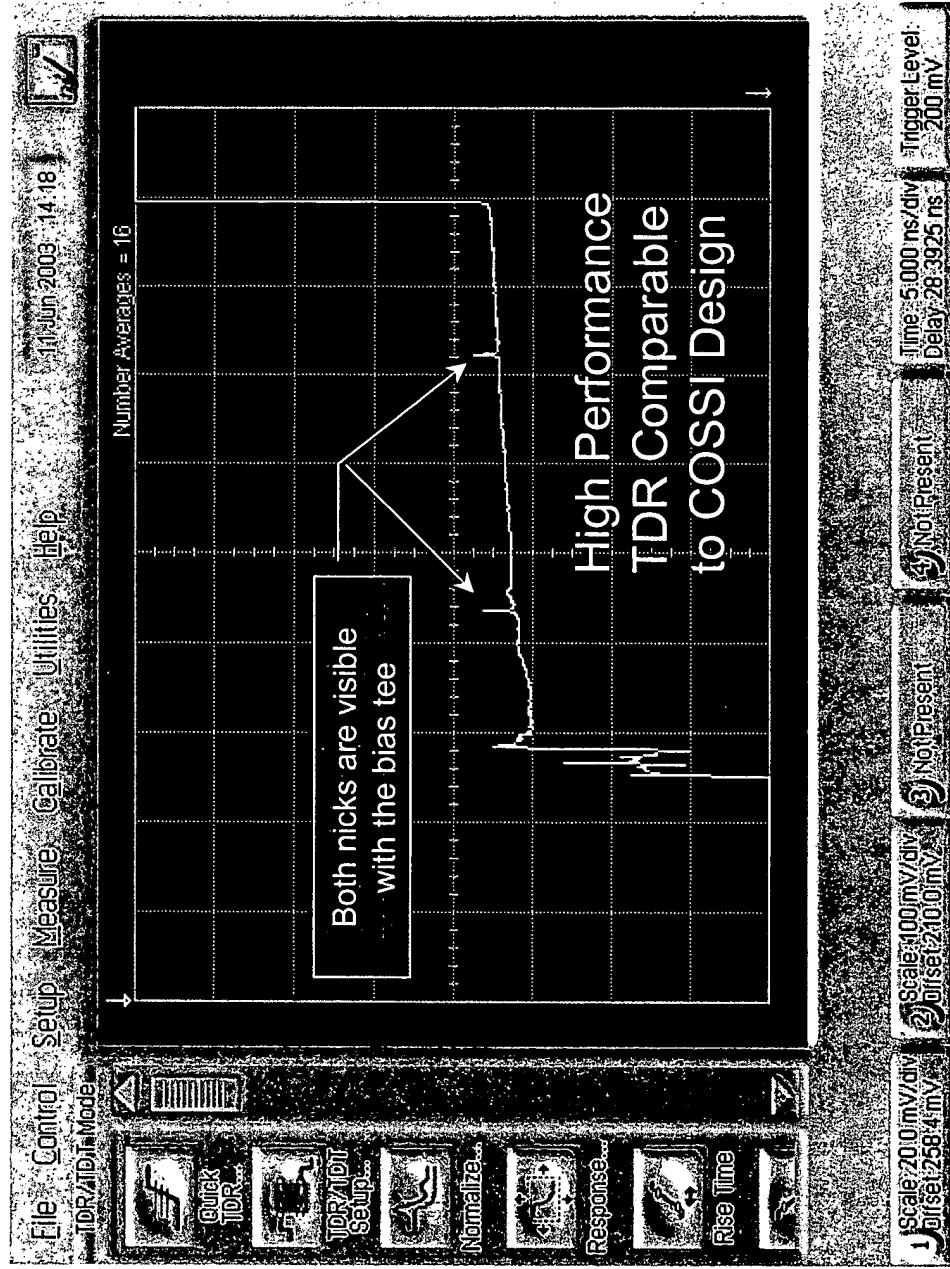


FIG. 11

EDT Applied to the RG-302 Cable Sample

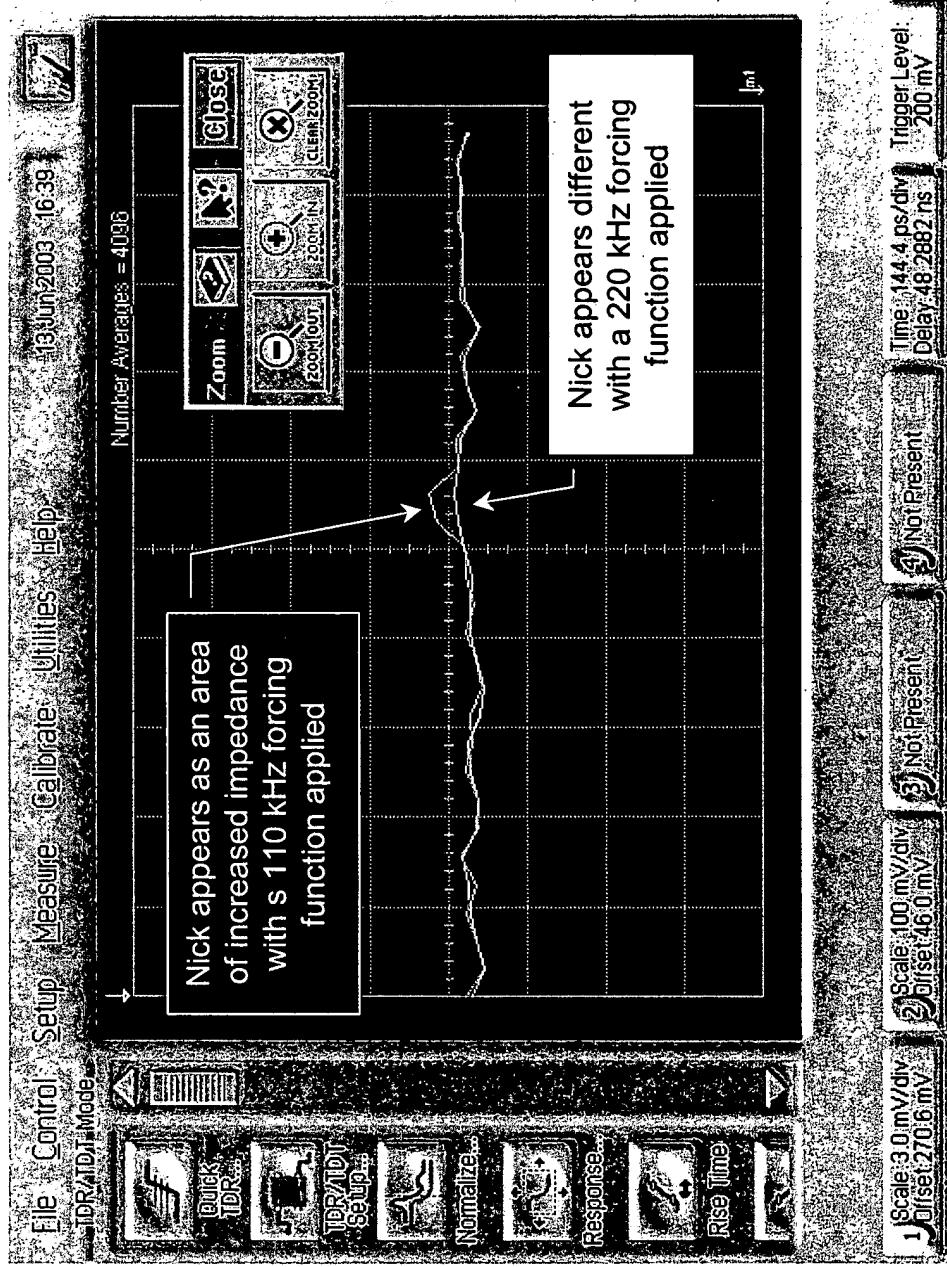


FIG. 12